

Patent Abstracts of Japan

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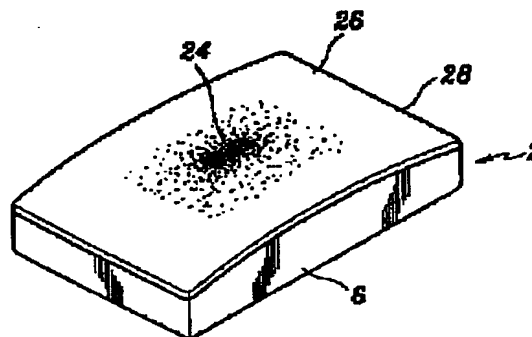
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TITLE : PANEL FOR CATHODE RAY TUBE
AND ITS MANUFACTURE



ABSTRACT : PROBLEM TO BE SOLVED: To realize uniform luminance and enhanced quality on an entire screen.

SOLUTION: In this panel 2, a space between beam passing holes of a shadow mask is widened so as to make it wider as it comes close to a peripheral part 26 of a screen in order to secure an additional coverage of an electron beam, and accordingly, a space between phosphors in the peripheral part 26 of the screen is widened. In order to prevent reduction of luminance in the peripheral part 26 of the screen produced by an increase of a black matrix film area, the panel is made of clear glass and a means for variable transmission to change transmittance of a center part 24 of the screen and the peripheral part 26 is contained in an outer surface of the panel. The means for variable transmission means comprises a variable colored coating film 28 with a color gradually getting tinnier as it comes colors to the peripheral part 26 with the thickly colored center part 24 as a center.

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